

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|---------------------|
| L7 | 0 | "6545358".pn. and plug with aluminum | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 14:52 |
| L8 | 0 | "6545358".pn. and plug with aluminun | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 14:52 |
| L9 | 1 | "6545358".pn. and aluminum | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 14:52 |
| L10 | 1 | "6545358".pn. and aluminum same plug | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 14:53 |
| L11 | 0 | first adj aluminum adj plug same second adj tungsten adj plug | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 14:58 |
| L12 | 0 | first adj aluminum adj plug and second adj tungsten adj plug | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 14:59 |
| L13 | 83 | aluminum adj plug same tungsten adj plug | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 15:00 |
| L14 | 2 | "20050127516".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
| L15 | 12 | ("20020063337" "20030036256" "20030173668" "20030194863" "6372586" "6410435").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |

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| L16 | 3903859 | via wiht tungsten with line with copper | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
| L17 | 323 | via with tungsten with line with copper | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
| L18 | 155 | via with tungsten with line with copper | USPAT | OR | ON | 2008/09/24 18:04 |
| L19 | 11 | tungsten near1 plug with copper near1 line | USPAT | OR | ON | 2008/09/24 18:04 |
| L20 | 13 | tungsten near1 plug same copper near1 line | USPAT | OR | ON | 2008/09/24 18:04 |
| L21 | 2 | L20 not L19 | USPAT | OR | ON | 2008/09/24 18:04 |
| L22 | 10 | tungsten near1 plug same copper near1 line | US-PGPUB | OR | ON | 2008/09/24 18:04 |
| L23 | 2 | "20050127516".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
| L24 | 1527 | (257/763).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/24 18:04 |
| L25 | 559 | L24 and copper | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
| L26 | 427 | L24 and copper | USPAT | OR | ON | 2008/09/24 18:04 |
| L27 | 2 | ("5990001" "6326315").PN. OR ("7067920").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |

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|-----|-----|--|------------------------|----|----|------------------|
| L28 | 25 | ("5034799" "5045916" "5083188" "5084412" "5196916" "5220199" "5294836" "5309015" "5317193" "5354711" "5429995" "5477074" "5479053" "5500559" "5502335" "5529953" "5532516" "5604380" "5654931").PN. OR ("5990001").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L29 | 10 | ("20020000671" "20020187634" "20030045088" "20030178644" "5284797" "6143396" "6187680" "6803302").PN. OR ("6960836").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L30 | 5 | L24 and tungsten near2 plug same aluminum near2 layer same copper near2 layer | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L31 | 56 | tungsten near2 plug same aluminum near2 layer same copper near2 layer | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L32 | 8 | ("5893752" "5904565" "5916823" "5939788" "5968333" "5969422" "6017817" "6037664").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L33 | 68 | L24 and aluminum near2 layer same copper near2 layer | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L34 | 60 | L24 and aluminum near2 layer same copper near2 layer | USPAT | OR | ON | 2008/09/24 18:04 |
| L35 | 55 | L34 not L31 | USPAT | OR | ON | 2008/09/24 18:04 |
| L36 | 310 | L24 and copper and aluminum and tungsten | USPAT | OR | ON | 2008/09/24 18:04 |

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| L37 | 10 | ("5529953" "5612254" "5939788" "6123992" "6165898" "6225207" "6284642" "6313003" "6319813" "6319821").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L38 | 6 | ("20020063337" "20030036256" "20030173668" "20030194863" "6372586" "6410435").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L39 | 12 | ("4933743" "5595936" "5619071" "5635763" "5710462" "5739049" "5767010" "5932907" "5939788" "6008114" "6150206" "6194309").PN. OR ("6545358").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L40 | 2 | "20040021227".pn. and (aluminum copper tungsten) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
| L41 | 1556 | (257/762).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/24 18:04 |
| L42 | 135 | L41 and copper with plug | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
| L43 | 0 | ("6,545,358.pn.").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/24 18:04 |
| L44 | 2 | "6,545,358".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
| L45 | 1 | L44 and substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |

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| L46 | 12 | ("4933743" "5595936" "5619071" "5635763" "5710462" "5739049" "5767010" "5932907" "5939788" "6008114" "6150206" "6194309").PN. OR ("6545358").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L47 | 21 | ("5034799" "5446311" "5471093" "5500558" "5517060" "5525827" "5548159" "5554864").PN. OR ("5710462").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L48 | 120 | ("4418470" "4648087" "4797785" "5070317" "5095357" "5227659" "5279988" "5396101").PN. OR ("5446311").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L49 | 8 | ("4418470" "4648087" "4797785" "5070317" "5095357" "5227659" "5279988" "5396101").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L50 | 61 | ("3647585" "3890636" "3925880" "4899435").PN. OR ("5034799").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L51 | 23 | ("4899439" "4920639" "5034799" "5117276" "5413962" "5708303" "5882963" "6037248" "6091149" "6143641").PN. OR ("6218282").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L52 | 61 | ("3647585" "3890636" "3925880" "4899435").PN. OR ("5034799").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L53 | 29 | ("3801880" "4954459" "5077238" "5317192").PN. OR ("5500558").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |

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| L54 | 73 | ("3473160" "4197555" "4706216" "4827325" "4866508" "4893170" "4899439" "4910417" "4924287" "4933738" "4949257" "4960729" "5027027" "5034799" "5036178" "5049969" "5068063" "5095352" "5095356" "5111273" "5128601" "5132571" "5138194" "5191241" "5260597" "5309015" "5329152" "5341041" "5367392" "5404033" "5420544" "5512765" "5526278" "5545904" "5550839" "5565758" "5581098" "5619062" "5679967" "5684412" "5684812" "5687325" "5723883" "5751165" "5757207" "5781033" "5789807" "5798559" "5815003" "5815726" "5818728" "5825202" "5825203" "5861641" "5883525" "5898318" "5903490" "5959466" "6020755" "6078088" "6188095").PN. OR ("6476493").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L55 | 2 | "4764804".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
| L56 | 95 | ("3675089" "3686748" "3761783" "3922775" "3961103" "4339870" "4571447" "4582954" "4651192" "4703339").PN. OR ("4764804").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |

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| L57 | 18 | ("4764804" "4945451").PN. OR ("5299091").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L58 | 11 | ("5034347" "5299091" "5621616" "5798297" "5811352" "5880010" "5896271" "5902120" "5955781" "6146982").PN. OR ("6432809").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L59 | 53 | jeremy with luks.xa. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L60 | 144 | andujar.xa. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L61 | 4 | ("6707073").URPN. | USPAT | OR | ON | 2008/09/24 18:04 |
| L62 | 2 | "6545358".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
| L63 | 2 | "5117276".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
| L64 | 2 | "6218282".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
| L65 | 20 | ("20020030189" "20020197771" "20030025118" "20030174275" "5978061" "6187605" "6307751" "6372608" "6468438" "6592969").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
| L66 | 10883 | (Liquid near1 crystal near1 display).ti. | USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L67 | 10880 | (Liquid adj crystal near1 display).ti. | USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L68 | 10872 | (Liquid adj crystal adj display).ti. | USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L69 | 10866 | (Liquid adj crystal adj display).ti. | USPAT | OR | ON | 2008/09/24 18:04 |
| L70 | 6957 | (Liquid adj crystal adj display).ti. and thin adj film | USPAT | OR | ON | 2008/09/24 18:04 |

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| L71 | 4826 | (Liquid adj crystal adj display).ti. and thin adj film and glass | USPAT | OR | ON | 2008/09/24 18:04 |
| L72 | 350 | (Liquid adj crystal adj display).ti. and thin adj film and glass with laminat\$ | USPAT | OR | ON | 2008/09/24 18:04 |
| L73 | 197 | (Liquid adj crystal adj display).ti. and thin adj film and glass with laminat\$ and etch\$3 | USPAT | OR | ON | 2008/09/24 18:04 |
| L74 | 1 | "6,545,358".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L75 | 1 | L74 and interlayer | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L76 | 0 | L74 and interlayer with (made can adj be) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L77 | 0 | L74 and interlayer same (made can adj be) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L78 | 0 | L74 and interlayer same (made can near be) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L79 | 0 | L74 and interlayer same1 (made can near be) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L80 | 6442388 | L74 and interlayer same \$1 can near2 be | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L81 | 0 | L74 and interlayer same can near2 be | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L82 | 0 | L74 and (interlayer and can near2 be) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L83 | 1 | L74 and (interlayer same"can be") | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L84 | 1 | L74 and silicon adj oxide | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
| L85 | 2836 | (inter\$3metal near2 dielectric IMD inter \$3dielectric near2 layer IDL) and (silicon near1 oxynitride silicon near1 oxide and silicon near1 nitride) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |

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|-----|------|--|---|----|----|------------------|
| L86 | 376 | (inter\$3metal near2 dielectric IMD inter \$3dielectric near2 layer IDL) with (silicon near1 oxynitride silicon near1 oxide and silicon near1 nitride) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
| L87 | 196 | (inter\$3metal near2 dielectric IMD inter \$3dielectric near2 layer IDL) with (silicon near1 oxynitride silicon near1 oxide and silicon near1 nitride) | USPAT | OR | ON | 2008/09/24 18:04 |
| L88 | 25 | (inter\$3metal near2 dielectric IMD inter \$3dielectric near2 layer IDL) with (silicon near1 oxynitride and silicon near1 oxide and silicon near1 nitride) | USPAT | OR | ON | 2008/09/24 18:04 |
| L89 | 57 | capping near1 layer with (titanium near1 nitride or TiN) with (titanium near1 tungsten or TiW) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L90 | 2480 | copper with barrier with TiN | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L91 | 26 | copper near2 barrier with TiN same tungsten with plug | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L92 | 116 | copper near1 seed with TiN | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L93 | 0 | capping near1 layer with (titanium near1 nitride or TiN) with better with (titanium near1 tungsten or TiW) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L94 | 5 | barrier with (titanium near1 nitride or TiN) with better with (titanium near1 tungsten or TiW) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |
| L95 | 19 | barrier with (titanium near1 nitride or TiN) with improve with (titanium near1 tungsten or TiW) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/24 18:04 |

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| L96 | 26 | ("20020063337" "20030036256" "20030173668" "20030194863" "5117276" "5272101" "5827782" "5969422" "6218282" "6372586" "6410435" "6476493" "6545358").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/24 18:04 |
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